

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No. 3225-1404:105 Page 1 of 1

CATEGORY: Fire Dampers

LISTEE: C & S Air Products, 2824 N. Sylvania Ave., Fort Worth, TX 76111
Contact: Michael Beaver (817) 831-7038

DESIGN: Models FD-120, FSD-121, FSD-122, FSD-123, FSD-131, FSD-132; FD-320, FSD-321, FSD-322 and FSD-323 single and multi blade type construction fire dampers with No. 16 or No. 20 galvanized or stainless steel frame and No. 16 galvanized or stainless steel blades. Refer to listee's data sheet for detailed product description and operational considerations. Sizes of dampers are as follow:

<u>Construction</u>	<u>Width, Inch</u>		<u>Height, Inch</u>	
	<u>Min.</u>	<u>Max.</u>	<u>Min.</u>	<u>Max.</u>
Single section	6	36	6	48
Multiple section	16	108	8	96
FSD-131, -132 (single only)	8	24	8	24

RATING: FSD-131, FSD-132: 1-1/2 hour, 1 hour (Corridor)
FD-120, FSD-121, -122, -123: 1-1/2 hour
FD-320, FSD-321, -322, -323: 3 hour

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, classification/rating and UL label.

APPROVAL: Listed as 1-hour, 1-1/2-hour and 3-hour fire-rated dampers. *Intended for use with approved damper operators. For vertical or horizontal installations.

NOTE: Leakage rating not evaluated. Refer to CSFM Listing No. 3230-1404:106 for leakage dampers.

XLF: 3225-0368:110

*Rev. 11-06-2001



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 22, 2004**

*Listing Expires **June 30, 2005***

Authorized By: **DIANE K. AREND, Senior Deputy
Program Manager**